

# NATIONAL SOLAR OBSERVATORY

## Daily Sunspot Data From Automated Analysis

USAF OSPaN 630.315nm image

CLOUDS: Unknown

CONDITION: Good

OBSERVER: *TWH*

Irradiance reduction due to sunspot  
blocking = 0.010% at 630.315nm

**13 May 03**  
**15:00:21 UT**

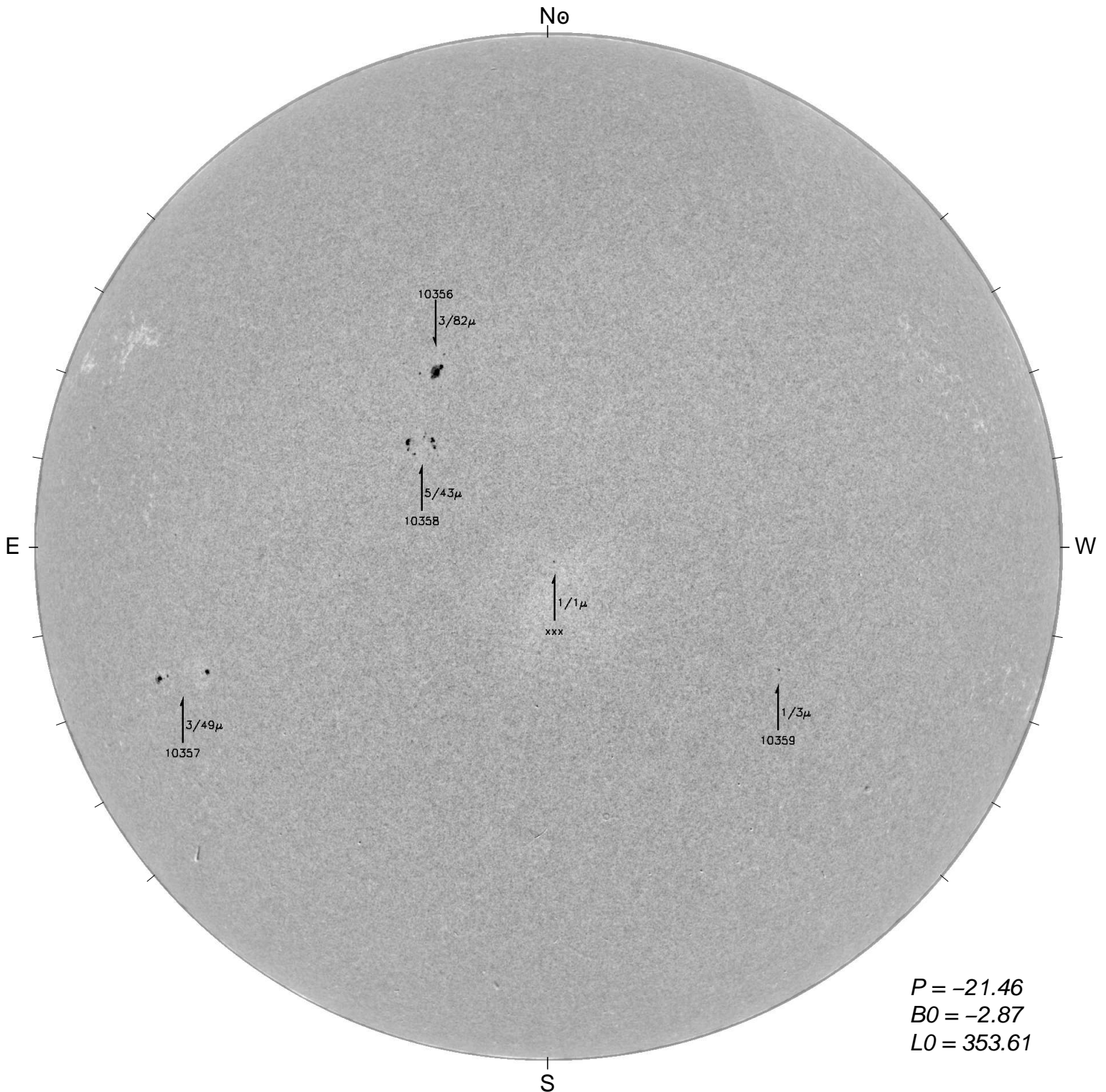
GROUPS: 5

SPOTS: 13

R-NUMBER: 63

TOTAL SPOT AREA: 178  $\mu$

THRESHHOLD: 0.92



$P = -21.46$   
 $B0 = -2.87$   
 $L0 = 353.61$